

CERTIFICATE OF ANALYSIS

Product : TANNIC ACID BREWTAN B
Lotn° : 700850155B

Wetteren, 6 November 2019

TEST	LIMIT	RESULT
Physical aspect	light yellow granular powder	light yellow granular powder
Odour	typical tannic acid	typical tannic acid
Tannic acid content (on dry material)	min. 98 %	98.4 %
Gallic acid content (HPLC)	max. 1.0 %	0.64 %
Ash content	max. 0.1 %	0.01 %
Moisture	max. 7.0 %	5.5 %
Gardner Colour	max. 9	5.0
Solubility (20 % m/V in water)	clear	clear
Solubility (20 % m/V in ethanol)	clear	clear
Resin test (10 % m/V in water)	clear	clear
Gum test (10 % m/V ethanol/water)	clear	clear

Compliance to following specifications is based on skip lot testing, and not necessarily the result of a test on this specific lot :

Total Heavy metals	max. 20 ppm	< 20 ppm
Lead	max. 2 ppm	< 2 ppm
Arsenic	max. 1 ppm	< 1 ppm
Cadmium	max. 1 ppm	< 1 ppm
Mercury	max. 0.1 ppm	< 0.1 ppm

Manufacturing date : 25-sep-2019

Retest date : 25-sep-2024

Shelf life of the product : 5 years

J. VELTER
Quality Control Manager